

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/826,006
	Filing Date	April 15, 2004
	First Named Inventor	James R. Braig
	Art Unit	1743
(Multiple sheets used when necessary)	Examiner	Ramillano, Lore Janet
SHEET 1 OF 6	Attorney Docket No.	OPTIS.084A

U.S. PATENT DOCUMENTS

** = Publication of application assigned to the assignee of this application

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	3241432	3-22-1966	Skeggs	
	2	3634039	12-22-1969	Broady	
	3	4151845	05-01-1979	Clemens	
	4	4535786	08-20-1985	Kater	
	5	4573968	03-04-1986	Parker	
	6	4655225	4-7-1987	Dahne	
	7	4657529	04-14-1987	Prince et al.	
	8	4882492	11-21-1989	Schlager	
	9	4974592	12-04-1990	Branco	
	10	4975581	12-04-1990	Robinson	
	11	4976270	12-11-1990	Parl et al.	
	12	5009230	04-23-1991	Hutchinson	
	13	5049487	09-17-1991	Phillips	
	14	5059394	10-22-1991	Phillips	
	15	5066859	11-19-1991	Karkar	
	16	5073500	12-17-1991	Saito	
	17	5134079	07-28-1992	Cusack et al.	
	18	5149501	09-22-1992	Babson	
	19	5165406	11-24-1992	Wong	
	20	5179951	01-19-1993	Knudson	
	21	5296706	03-22-1994	Braig	
	22	5331958	07-26-1994	Oppenheimer	
	23	5356786	10-18-1994	Heller	
	24	5377674	01-03-1995	Kuestner	
	25	5380665	01-10-1995	Cusack et al.	
	26	5434412	07-18-1995	Sodickson	
	27	5435309	07-25-1995	Thomas	
	28	5437635	08-01-1995	Fields	

Examiner Signature

Date Considered

***Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T¹ - Place a check mark in this area when an English language Translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/826,006
	Filing Date	April 15, 2004
	First Named Inventor	James R. Braig
	Art Unit	1743
(Multiple sheets used when necessary)	Examiner	Ramillano, Lore Janet
SHEET 2 OF 6	Attorney Docket No.	OPTIS.084A

U.S. PATENT DOCUMENTS ** = Publication of application assigned to the assignee of this application					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	29	5459677	10-17-1995	Kowalski	
	30	5505828	04-09-1996	Wong et al.	
	31	5606164	02-25-1997	Price	
	32	5655530	08-12-1997	Messerschmidt	
	33	5697899	12-16-1997	Hillman et al.	
	34	5724268	03-03-1998	Sodickson	
	35	5747806	05-05-1998	Khalil	
	36	5750994	05-12-1998	Schlager	
	37	5758643	06-02-1998	Wong et al.	
	38	5773301	06-30-1998	Ziegler	
	39	5823951	10-20-1998	Messerschmidt	
	40	5830133	11-03-1998	Osten	
	41	5857462	01-12-1999	Thomas	
	42	5817007	10-06-1998	Fodgaard et al.	
	43	5902253	05-11-1999	Pfeiffer et al.	
	44	5944660	08-31-1999	Kimball et al.	
	45	5963335	10-05-1999	Boutelle	
	46	6040578	03-21-2000	Malin	
	47	6049727	04-11-2000	Crothall	
	48	6073037	06-06-2000	Alam	
	49	6101406	08-08-2000	Hacker et al.	
	50	6115673	09-05-2000	Malin	
	51	6119026	09-12-2000	McNulty	
	52	6122052	09-19-2000	Barnes	
	53	6124134	09-26-2000	Stark	
	54	6152876	11-28-2000	Robinson	
	55	6157041	12-05-2000	Thomas	
	56	6161028	12-12-2000	Braig	
	57	6188476	02-13-2001	Hafeman	

Examiner Signature	Date Considered
--------------------	-----------------

***Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T¹ - Place a check mark in this area when an English language Translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/826,006
	Filing Date	April 15, 2004
	First Named Inventor	James R. Braig
	Art Unit	1743
(Multiple sheets used when necessary)	Examiner	Ramillano, Lore Janet
SHEET 3 OF 6	Attorney Docket No.	OPTIS.084A

U.S. PATENT DOCUMENTS

** = Publication of application assigned to the assignee of this application

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	58	6236047	05-22-2001	Malin	
	59	6240306	05-29-2001	Rohrscheib	
	60	6326160	12-04-2001	Dunn	
	61	6441388	08-27-2002	Thomas	
	62	6484044	11-19-2002	Lilenfeld-Toal	
	63	6528809	03-04-2003	Thomas	
	64	6556850	04-29-2003	Braig	
	65	6574490	06-03-2003	Abbink	
	66	6580934	06-17-2003	Braig	
	67	6622032	09-16-2003	Robinson	
	68	6636759	10-21-2003	Robinson	
	69	6662030	12-09-2003	Khalil	
	70	6684099	06-27-2004	Ridder	
	71	6718189	04-06-2004	Rohrscheib	
	72	6773922	08-10-2004	Jeng	
	73	6836332	12-28-2004	Mosley	
	74	6842702	01-11-2005	Haaland	
	75	6862534	03-01-2005	Sterling	
	76	7115205	10-03-2006	Robinson et al.	
	77	2002/0045525	04-18-2002	Marziali	
	78	2002/0019022	02-14-2002	Dunn	
	79	2003/0086074	05-08-2003	Braig et al.	
	80	2003/0086075	05-08-2003	Braig	
	81	2003/0130616	07-10-2003	Steil	
	82	2003/0133118	06-17-2003	Braig	
	83	2003/0178569	09-05-2003	Sterling	
	84	2003/0191377	10-09-2003	Robinson	
	85	2003/0191378	10-09-2003	Davis, III	
	86	2004/0019431	06-29-2004	Sterling	

Examiner Signature	Date Considered
--------------------	-----------------

***Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T¹ - Place a check mark in this area when an English language Translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/826,006
	Filing Date	April 15, 2004
	First Named Inventor	James R. Braig
	Art Unit	1743
(Multiple sheets used when necessary)	Examiner	Ramillano, Lore Janet
SHEET 4 OF 6	Attorney Docket No.	OPTIS.084A

U.S. PATENT DOCUMENTS					
** = Publication of application assigned to the assignee of this application					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	87	2004/0197927	10-07-2004	Jeng	
	88	2004/0241736	12-02-2004	Hendee et al.	
	89	2004/0033618	02-19-2004	Haass	
	90	2004/0064259	04-01-2004	Haaland	
	91	2004/0082070	04-29-2004	Jones	
	92	2004/0147034	06-29-2004	Gore	
	93	2004/0241736	12-02-2004	Hendee	
	94	2005/0090750	04-28-2005	Ediger	
	95	2005/0027463	02-03-2005	Goode	
	96	2005/0036146** (Atty. Docket No. OPTIS.100A)	02-17-2005	Braig, et.al.	
	97	2005/0036147** (Atty. Docket No. OPTIS.107A)	02-17-2005	Braig, et.al.	
	98	2005/0037384** (Atty. Docket No. OPTIS.086A)	02-17-2005	Braig, et.al.	
	99	2005/0038357** (Atty. Docket No. OPTIS.090A)	02-17-2005	Braig, et.al.	
	100	2005/0038674** (Atty. Docket No. OPTIS.085A)	02-17-2005	Braig, et.al.	
	101	2005/0106749** (Atty. Docket No. OPTIS.089CP1)	05-19-2005	Braig, et.al.	
	102	2005/0106749	05-19-2005	Braig	
	103	2005/0143943	06-30-2005	Brown	
	104	2005/0148834	06-07-2005	Hull	
	105	2005/0203360	09-15-2005	Brauker et al.	
	106	2006/0009727	01-12-2006	O'Mahony et al.	
	107	2006/0189925	08-24-2006	Gable	
	108	2006/0189926	08-24-2006	Hall	
	109	2006/0200070	09-07-2006	Callicoat et al.	
	110	2007/0060872	03-15-2007	Hall et al.	

Examiner Signature	Date Considered
--------------------	-----------------

***Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T¹ - Place a check mark in this area when an English language Translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/826,006
	Filing Date	April 15, 2004
	First Named Inventor	James R. Braig
	Art Unit	1743
(Multiple sheets used when necessary)	Examiner	Ramillano, Lore Janet
SHEET 5 OF 6	Attorney Docket No.	OPTIS.084A

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
	111	WO 93/00580	06-24-1992	Minnesota Mining & Manufacturing Company		
	112	WO 97/25608 A1	12-12-1996	Minnesota Mining & Manufacturing Company		
	113	WO 01/13091	07-25-2000	Regents of the University of Minnesota		
	114	WO 02/082990	03-27-2002	Rio Grande Medical Technologies Inc		
	115	WO 03/045233	11-21-2002	Optiscan Biomedical Corporation		
	116	WO 04/092715 A1	04-15-2004	Optiscan Biomedical Corporation		
	117	WO 05/110601 A1	05-06-2005	Optiscan Biomedical Corporation		
	118	EP 0549341	12-23-1992	W.R. Grace & Co.-Conn.		
	119	EP 00982582	08-28-1998	Perkin-Elmer Limited		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	120	Billman, et.al., "Clinical Performance of an In-Line ex Vivo Point-of-Care Monitor: A Multicenter Study," Clinical Chemistry, 48:11 2030-2043 (2002)	
	121	Widness et al., "Clinical Performance on an In-Line Point-of-Care Monitor in Neonates"; Pediatrics, Vol. 106, No. 3, pp. 497-504, September 2000.	
	122	Finkleman et al., "Agreement Between Bedside Blood and Plasma Glucose Measurement in the ICU Setting"; retrieved from http://www.chestjournal.org ; CHEST/127/5/May 2005.	
	123	Berger et al., "An Enhanced Algorithm for Linear Multivariate"; Analytical Chemistry, Vol. 70, No. 3, February 1, 1998.	
	124	Glucon Critical Care Blood Glucose Monitor; Glucon; retrieved from http://www.glucon.com	
	125	Fogt, et al., "Development and Evaluation of a Glucose Analyzer for a Glucose-Controlled Insulin Infusion System (Biostator); Clinical Chemistry, Vol. 24, No. 8, 1978.	
	126	Janatsch, et.al., "Multivariate Calibration for Assays in Clinical Chemistry Using Attenuated Total Reflection Infrared Spectra of Human Blood Plasma," Analytical Chemistry, 61, 2016-2023, 1989	
	127	Ray, et.al., "Pilot Study of the Accuracy of the Bed-side Glucometry in the Intensive-care Unit," Critical Care Medicine, vol. 29, no. 11, 2205-2207, 2001	
	128	Kruse-Jarres, et.al., "Glucose and Other Constituents of Blood Determined by ATR-FTIR Spectroscopy," Clinical Chemistry, Vol. 36, No. 2, 401-402, 1990	

Examiner Signature	Date Considered
--------------------	-----------------

***Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T¹ - Place a check mark in this area when an English language Translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/826,006
	Filing Date	April 15, 2004
	First Named Inventor	James R. Braig
	Art Unit	1743
(Multiple sheets used when necessary)	Examiner	Ramillano, Lore Janet
SHEET 6 OF 6	Attorney Docket No.	OPTIS.084A

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	129	Kaiser, et.al., "Laser Absorption Spectroscopy with an ATR Prism," IEEE Transactions on Biomedical Engineering, Vol. BME-26, No. 10, October 1979	
	130	Kajiwar, et.al., "Spectroscopic Quantative Analysis of Blood Glucose by Fourier Transform Infrared Spectroscopy with an Attenuated Total Reflection Prism," Medical Progress through Technology, 18, 181-189, 1992	
	131	Klonoff, et.al., "Mid-Infrared Spectroscopy for Noninvasive Blood Glucose Monitoring," Leos Newsletter, 3 pages, Vol. 12, No. 2, April, 1998	
	132	Kuenstner, et.al., "Spectrophotometry of Human Hemoglobin in the Midinfrared Region," Biospect 3: 225-232, John Wiley & Sons, Inc., 1997	
	133	Kunjan, et.al., Powerpoint presentation: "Design and Development of a MidIR Glucose Sensor for Diabetics," Purdue University, School of Mechanical Engineering, Advisor: Prof. Jay P. Gore, 2003	
	134	Mirouze, et.al., "Quantitative Analysis of Glucose Syrups by ATR/FT-IR Spectroscopy," Applied Spectroscopy, Vol. 47, No. 8, pp. 1187-1191, 1993	
	135	Morris, et.al., "Basic Examination of Blood," Clinical Diagnosis and Management by Laboratory, 1996, pp. 549-559	
	136	Norris, et.al., "Rapid Measurment of Analytes in Whole Blood with NIR Transmittance," Leaping Ahead with Near Infrared Spectroscopy, Edited by G.D. Batten, P.C. Flinn, L.A. Welsh and A.B. Blakeney, 1995	
	137	Percherancier, et.al., "Fourier Transform Infrared Spectroscopy to Detect Additives and Contaminants in Insulating Oils," IEEE Electrical Insulation Magazine, Vol. 14, No. 3, pp. 23-29, 1998	
	138	Quan, et.al., "Glucose Determination by a Pulsed Photoacoustic Technique: An Experimental Study Using a Gelatin-based Tissue Phantom," Phys. Med. Biol., 38 (1993), pp. 1911-1922	
	139	Shaw, et.al., "Infrared Spectroscopy in Clinical and Diagnostic Analysis," Encyclopedia of Analytical Chemistry, Edited by Robert A. Myers, Wiley and Sons Ltd. 2000, pp. 1-20	
	140	Co-pending application assigned to the assignee of the current application: U.S. App. No. 11/841878 (Atty. Docket No. OPTIS.107C1).	

4701706_2
011108

Examiner Signature	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

T¹ - Place a check mark in this area when an English language Translation is attached.